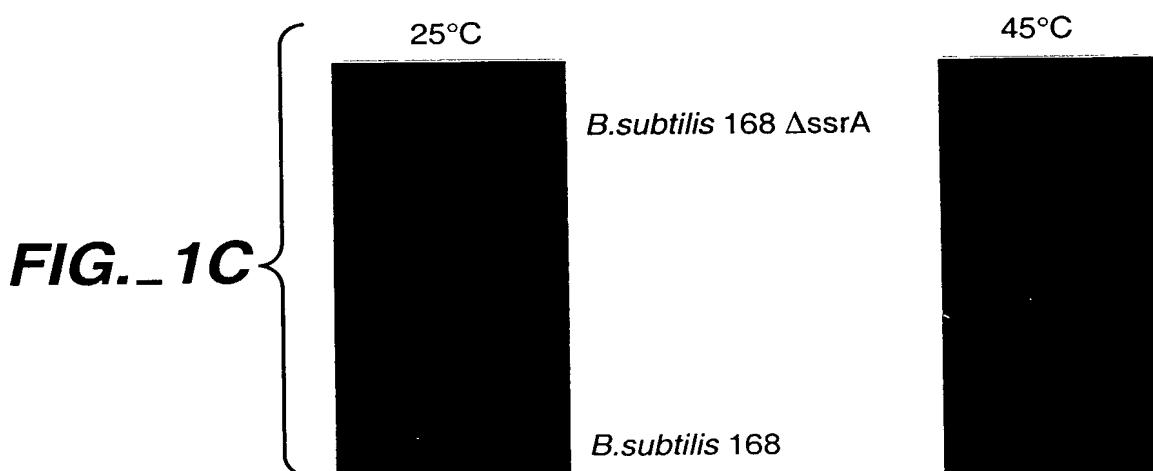


FIG._ 1B



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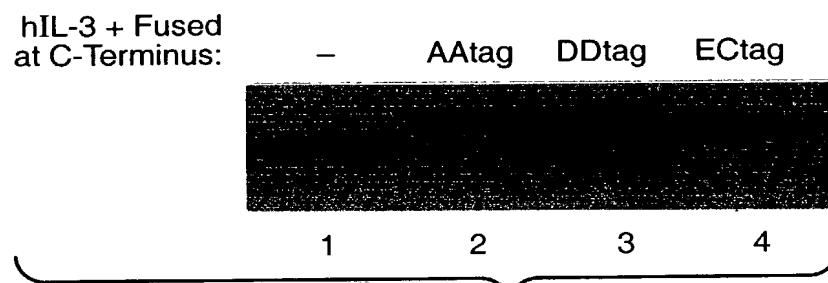
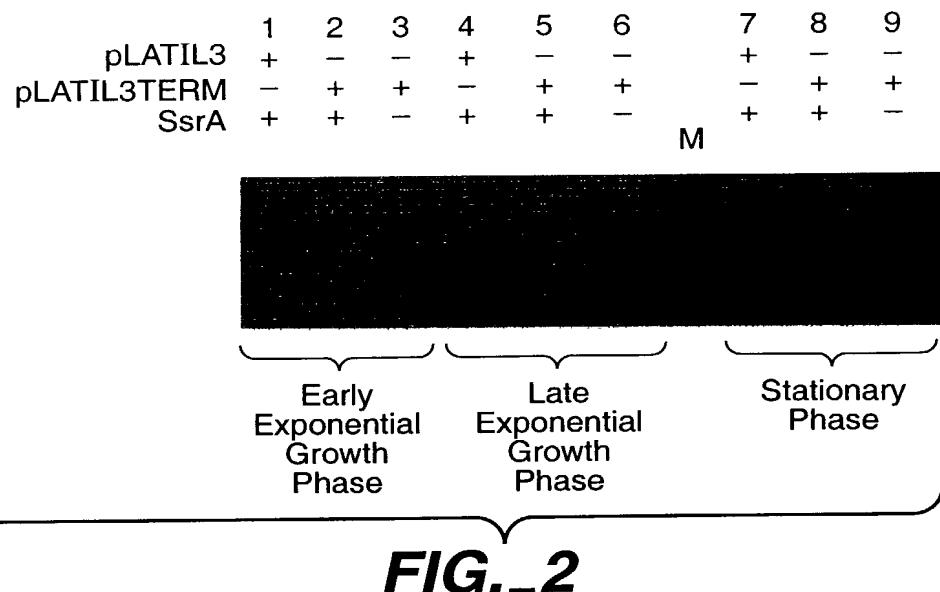


FIG._3A

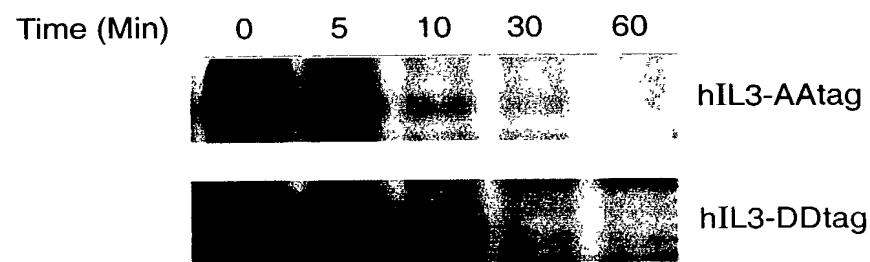
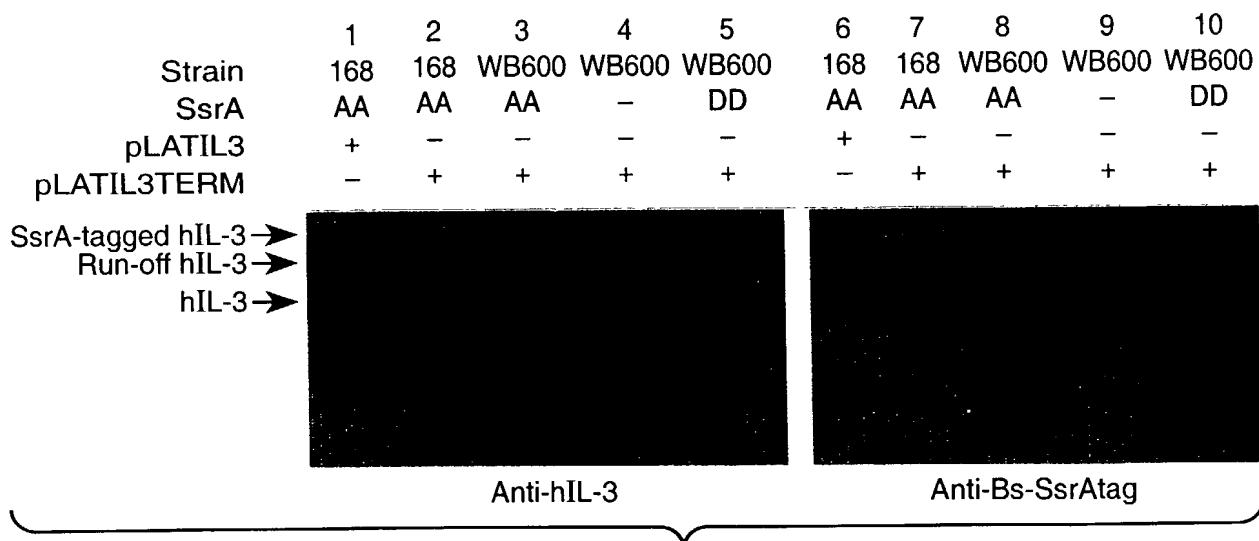
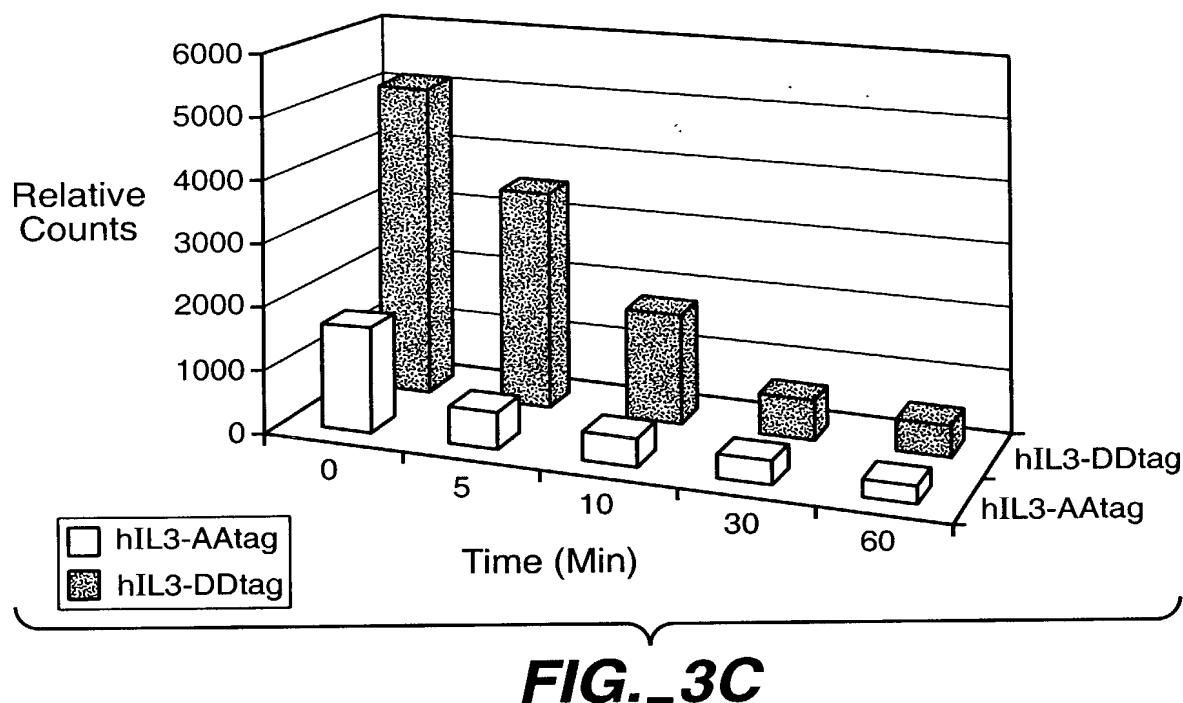


FIG._3B

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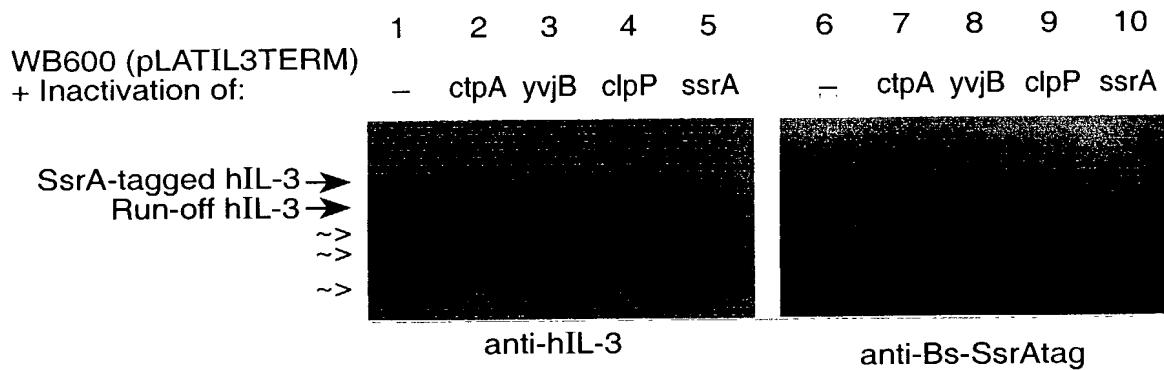


FIG.-5

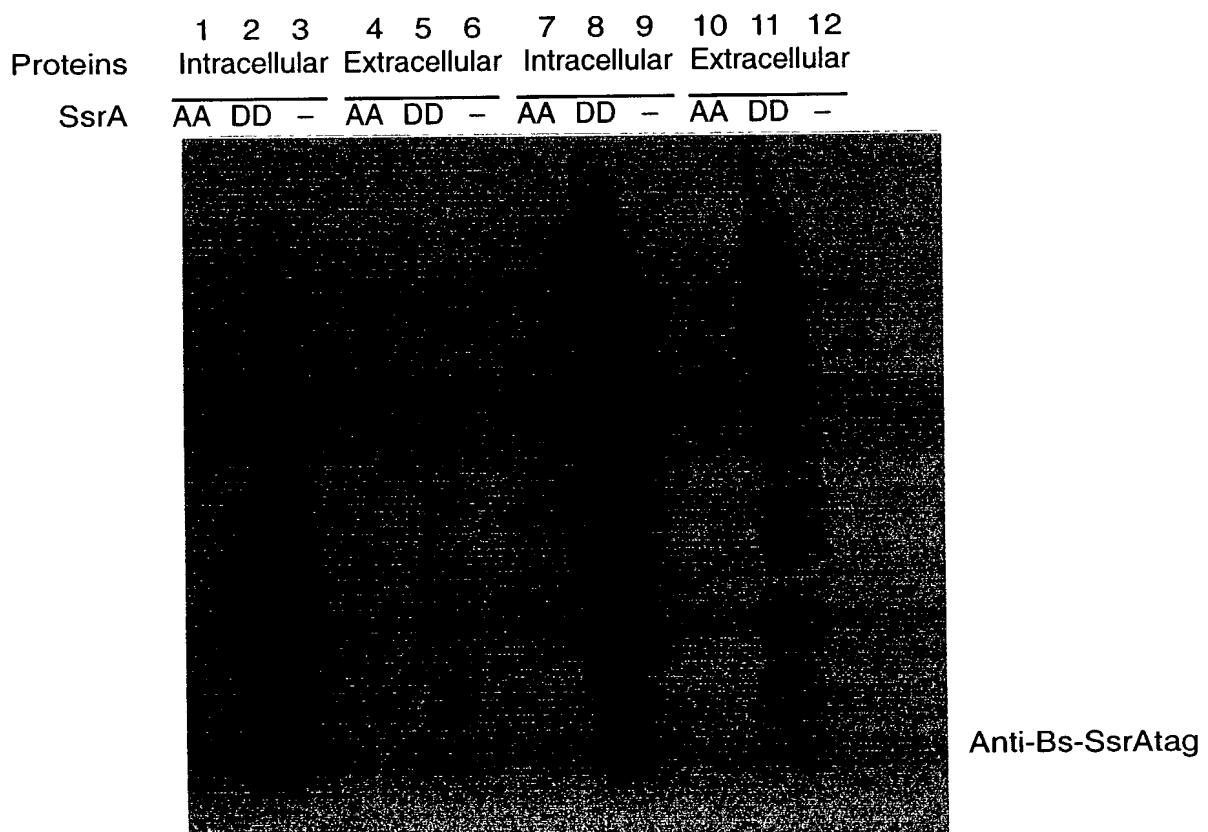


FIG. - 6

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IL-3 amino acid sequence (Native sequence associated with its native signal sequence)

MSRLPVLLLL	QLLVRPGLQA	PMQTTPPLKT	SWVNCSNMID
EIITHLKQPP			
LPLLDFFNNLN	GEDQDILMEN	NLRRPNLEAF	NRAVKSLQNA
SAIESILKNL			
LPCLPLATAA	PTRHPIHIKD	GDWNEFRRKL	TFYLNKTLENA
QAQQTTLSLA	IF		

IL-3 as encoded by plasmid pLATIL3

MKQQKRILYAR LLTLLFALIF LLPHSSASAA PMTQTTPLKT SWVNCSNMID
EIITHLKQPP LPLLDFFNNLN GEDQDILMEN NLRRPNLEAF NRAVKSLQNA
SAIESILKNL LPCLPLATAA PTRHPIHIKD GDWNEFRRKL TFYLNKTLENA
QAQQTTLS

IL-3 amino acid sequence (Substituted tag charged C-terminus)

MKQQKRILYAR LLTLLFALIF LLPHSSASAA PMTQTTPLKT SWVNCSNMID
EIITHLKQPP LPLLDFFNNLN GEDQDILMEN NLRRPNLEAF NRAVKSLQNA
SAIESILKNL LPCLPLATAA PTRHPIHIKD GDWNEFRRKL TFYLNKTLENA
QAQQTTDD

IL-3 amino acid sequence (Tagged¹⁴)

MKQQKRILYAR LLTLLFALIF LLPHSSASAA PMTQTTPLKT SWVNCSNMID
EIITHLKQPP LPLLDFFNNLN GEDQDILMEN NLRRPNLEAF NRAVKSLQNA
SAIESILKNL LPCLPLATAA PTRHPIHIKD GDWNEFRRKL TFYLNKTLENA
QAQQTTLSAG KTNSFNQNVA LDD

FIG._7